| Index of Claims   | Application No.   | Applicant(s)    |  |  |  |  |  |  |
|---|-------------------|-----------------|--|--|--|--|--|--|
| (1881) 88 (18 181) 81 (1) 81 (1) 81 (18 18 18 18 18 11) 1 1 1 1 1 1 1 1 1 1 1 | 09/449,643        | WICHELMAN ET AL |  |  |  |  |  |  |
|   | Examiner          | Art Unit        |  |  |  |  |  |  |
| <u> </u>  | Anthony Gutierrez | 2857            |  |  |  |  |  |  |

|          | 1                | Re   | ject    | ed       | ,                | -   | -        | (Through numeral)<br>Cancelled |              |          |  |          |                 |          |         | ı            | Non-E            | lec           | ted        |            | A  | ,        | App  | ea       | I               |  |          |   |
|----------|------------------|--|---------|----------|------------------|---|----------|--------------------------------|--------------|----------|--|----------|-----------------|----------|---------|--------------|------------------|---------------|------------|------------|--|----------|--|----------|-----------------|--|----------|---|
|          | =                | AI   | lowe    | ∍d       |                  | -   | +        | Restricted                     |              |          |  |          |                 | ı        |         | Interfe      | erer             | тсө           |            | 0          | Objected   |          |  |          |                 |  |          |   |
| Claim    | Claim Date       |  |         |          |                  |   |          | Claim D                        |              |          |  |          | Da              | Date Cla |         |              |                  | aim           | Date       |            |  |          |  |          |                 |  |          |   |
|          | Ι.               |  |         |          | П                |   |          | 1:::                           |              |          |  |          |                 |          |         |              | 7                |               |            |            |  |          |  |          |                 |  |          |   |
| Final    | 2/4/05           |  |         |          |                  |   |          |                                | Final        | Original |  |          |                 |          |         |              |                  |               | Final      | Original   |  |          |  |          |                 |  |          |   |
| 1        | V                |  |         | П        |                  |   | 1        |                                |              | 51       |  |          | $\Box$          |          | 1       | Ť            |                  |               |            | 101        |  |          |  |          |                 | 二  |          |   |
| 2        | 1                |  |         |          |                  |   |          |                                |              | 52       |  |          |                 |          | $\perp$ | Ţ            |                  |               |            | 102        |  |          |  |          | $\Box$          |  | $\Box$   |   |
| 3        | 11               | Ш  |         |          | 4                | 4   | 4        |                                |              | 53       |  | $\Box$   | $\dashv$        | _        | ╀       | 4            |                  | 4             |            | 103        |  | ↓_       | Ш  |          | _               | 4  | _        |   |
| 4        | ++               | $\vdash$   | $\perp$ | $\vdash$ | -                | 4   | -        | 4                              | <u> </u>     | 54       | _  |          | -               | +        | $\perp$ | $\downarrow$ |                  | -             |            | 104        |  | +        | Н  |          | $\dashv$        | $\dashv$                                     | _        | _ |
| 5        | +                | $\vdash$   | +       | ╀        | $\vdash$         | +   | +        | -                              |              | 55<br>56 | Н  | $\vdash$ | $\dashv$        | -        | +       | +            | ++               | -             | -          | 105<br>106 | -  | $\vdash$ |  |          | $\dashv$        | $\dashv$                                     |          | _ |
| 7        | +                | $\vdash$   | +       | $\vdash$ | $\vdash$         | -+  |          | -                              | -            | 57       |  |          | $\dashv$        | +        | +       | +            | ++               | -             | <u> </u>   | 107        | $\vdash$   | ╁        | H  | $\dashv$ | $\dashv$        | $\dashv$                                     | -        | — |
| 8        | +                | $\vdash$   | +       | ╁╌       | $\vdash$         | +   | $\dashv$ | 1                              | -            | 58       | -  | H        | $\dashv$        | $\dashv$ | ╁       | $\dagger$    |                  | 4:::          | <u> </u>   | 108        | $\vdash$   | +-       | <del>                                     </del> |          | $\dashv$        | $\dashv$                                     | ┪        |   |
| 9        | $\dagger\dagger$ | $\Box$   |         | $\vdash$ |                  | $\top$  | $\top$   | 1                              |              | 59       | П  | Н        | $\dashv$        | 十        | $\top$  | Ť            | +                | <b>-</b>      |            | 109        |  | 1-       |  |          | $\dashv$        | ヿ  | 一        | _ |
| 10       | $\forall t$      | $\vdash$   |         |          | T                | 十   | $\top$   |                                |              | 60       |  |          |                 |          | T       | Ť            |                  | 7             | -          | 110        |  | T        |  |          | $\exists$       | $\neg$                                       | 一        |   |
| 11       | $\Pi$            | H  |         |          |                  |   | ı        |                                |              | 61       |  |          |                 |          |         | 1            |                  |               |            | 111        |  |          |  |          |                 | $\Box$                                       |          |   |
| 12       | Ш                |  |         |          |                  |   |          |                                |              | 62       |  |          |                 |          | L       | I            |                  |               |            | 112        |  |          |  |          |                 | $\Box$                                       |          |   |
| 13       | $\coprod$        |  |         |          |                  |   |          | ]                              |              | 63       |  |          |                 |          | $\perp$ |              |                  |               |            | 113        |  |          |  |          |                 | _  | _        |   |
| 14       | 4                | $\sqcup$   | $\bot$  |          |                  | _   | _        |                                |              | 64       |  |          |                 | _        | ↓       | 1            | _ _ _            | 4             |            | 114        | $\sqcup$   | ļ        | _  |          | _               | _  |          |   |
| 15       | #                |  |         | $\perp$  | $\sqcup$         | _   |          | J                              |              | 65       |  | $\sqcup$ | $\perp$         | +        | ╀-      | 4            | -                | 4             |            | 115        |  | ļ        | L  | Щ        | $\dashv$        | _  | $\dashv$ |   |
| 16       |                  |  |         | _        | -                | -+  | +        | 4                              | <u> </u>     | 66       | _  | Н        | $\dashv$        | +        | +       | +            | ++               | -             |            | 116        |  | +        | ┝  | -i       |                 | $\dashv$                                     | $\dashv$ | _ |
| 17       | ╨                | $\vdash$   | -       | $\vdash$ | $\vdash$         | $\dashv$  | +        | -                              |              | 67       | _  | Н        | $\dashv$        |          | +       | +            | ++               | -             | <u> </u>   | 117        | $\vdash\vdash$                                   | ╀        | ┢  | -        | $\dashv$        | $\dashv$                                     | $\dashv$ |   |
| 18<br>19 | ╫                | ┝  | +       |          | $\vdash$         | +   | +        | -                              |              | 68<br>69 |  | $\vdash$ | $\dashv$        | +        | ╁       | +            | ++               | -             | <u> </u>   | 118<br>119 | $\vdash\vdash$                                   | ╁        | ╁  |          | $\dashv$        | $\dashv$                                     |          | _ |
| 20       | ╫                | ╁┼   | +       | +        | H                | -+  |          | -                              | <u> </u>     | 70       | $\vdash$   | Н        | $\dashv$        | -        | +-      | ╁            | +                | -             | -          | 120        | ╁╌┼╴   | +        | $\vdash$   |          | -               | $\dashv$                                     | $\dashv$ |   |
| 21       | ╫                | $\vdash$   |         | +        | $\vdash$         | +   | +        |                                | <u> </u>     | 71       | $\vdash$   | Н        | $\dashv$        | +        | +-      | +            |                  | -             |            | 121        | <del>                                     </del> | ╁        | $\vdash$   | $\vdash$ | _               | $\exists$                                    | $\neg$   | _ |
| 22       | ╫                |  | +       | +        | $\vdash$         | _   | +        | 1                              |              | 72       |  | Н        | $\dashv$        | 1.       | +       | $\dagger$    | 11               |               |            | 122        | $\vdash$   | †-       | 1  |          | 一               | Ħ  |          |   |
| 23       | $\top$           | Ħ  |         | T        |                  | _   |          | 1                              | $\vdash$     | 73       |  | H        |                 |          | ✝       | †            |                  | 7             |            | 123        |  | $\top$   |  |          | 一               |  | $\neg$   |   |
| 24       | $\top$           |  | 1       |          |                  |   |          | 1                              |              | 74       |  |          |                 | $\top$   | T       | T            |                  |               |            | 124        |  |          |  |          |                 |  |          |   |
| 25       | V                |  |         |          |                  |   |          | ]:::                           |              | 75       |  |          |                 |          |         |              |                  |               |            | 125        |  |          |  |          |                 |  |          |   |
| 26       |                  |  |         |          |                  |   |          |                                |              | 76       |  |          |                 |          |         |              |                  |               |            | 126        |  |          |  |          |                 | Ш  |          |   |
| 27       | <u> </u>         |  |         | _        | Ш                | $\perp$   |          |                                | <u></u>      | 77       | _  | Ш        |                 |          | 1       | 4            |                  | _             |            | 127        | $oxed{oxed}$                                     | ╀-       | _  |          | Ш               | $\dashv$                                     | _        |   |
| 28       | $\perp$          |  |         | <u> </u> | $\sqcup$         |   |          |                                | L            | 78       | _  | Ш        | $\perp$         |          | 1       | 4            | $\bot$           | _ ::::        | <u> </u>   | 128        |  | _        | <u> </u>   |          |                 | $\dashv$                                     | _        | _ |
| 29       | $\bot$           | $\sqcup$   | _       | ↓_       | $\sqcup$         | +   |          | <b>-</b>                       | <u> </u>     | 79       |  | Ш        |                 |          | 4       | 4            |                  | 4             | <u> </u>   | 129        | 1-1-   | ╆.       | _  |          | $\Box$          | $\dashv$                                     |          | _ |
| 30       | +                | H  |         | ┼        | -                | +   | -        | -                              |              | 80       |  | Н        | $\dashv$        |          | ╀       | +            | -                | - ::::        | <b>├</b> ─ | 130        |  | ╆        | ┢  |          | $\vdash$        | $\dashv$                                     | $\dashv$ | _ |
| 31       | +                | $\vdash$   | +       |          | $\vdash$         | +   | +        | -                              | <del> </del> | 81<br>82 | _  | Н        | $\dashv$        | -        | ╁       | +            | +                | -             | ├—         | 131<br>132 | ł  | +        | ╁  |          | $\vdash$        | $\dashv$                                     | $\dashv$ | _ |
| 32       |                  | ╁  |         | ┿        | $\vdash$         | $\dashv$  |          | -                              |              | 83       | ┢  | -        | $\dashv$        |          | ╅       | $^{+}$       | +                | -             | ├─         | 133        | ╁┼   | +        | $\vdash$   |          | $\vdash$        | $\dashv$                                     |          |   |
| 34       |                  | $\vdash$   |         | +        | $\vdash$         | +   | +-       | -                              | <u> </u>     | 84       | $\vdash$   | -        | $\dashv$        | $\dashv$ | ╁       | $^{+}$       | +                | -             | -          | 134        | ++   | +        | <del>                                     </del> |          | $\vdash$        | $\neg$                                       | ᅱ        | _ |
| 35       | +                | 1 1  | +       | +        | +                | $\dashv$  | +        | 1                              |              | 85       |  | Н        | $\dashv$        | -+-      | +       | +            |                  | -             | -          | 135        |  | +        | <u> </u>   |          | $\vdash$        | $\dashv$                                     | $\neg$   | _ |
| 36       | $\top$           | Н  | 1       | †        | H                |   |          | 1                              |              | 86       | <del>                                     </del> | Н        | $\Box$          | _        | $\top$  | †            | +                | 7             |            | 136        | $\Box$   | +-       | $\vdash$   | _        |                 |  | $\neg$   | _ |
| 37       |                  | $\Box$   | 十       | 1        |                  | 寸   |          |                                |              | 87       |  | П        | $\Box$          |          | Τ       | T            |                  | 7             |            | 137        |  | $\top$   |  |          | П               | П  | $\Box$   | _ |
| 38       |                  |  |         | 1        |                  | $\top$  |          | 1                              |              | 88       | Г  |          |                 |          | 1       | T            |                  | 7             |            | 138        |  |          |  |          |                 | $\Box$                                       |          |   |
| 39       |                  |  |         |          |                  |   |          |                                |              | 89       |  |          |                 |          |         | Ī            |                  | ]::::         |            | 139        |  |          |  |          |                 |  |          |   |
| 40       |                  | $\Box$   |         |          | $\Box$           | $oldsymbol{ol}}}}}}}}}}}}}}}$ |          | ]                              |              | 90       |  |          |                 |          | Γ       | Ţ            |                  | _             |            | 140        |  |          | $\Box$   |          | Ш               | $\Box$                                       |          | _ |
| 41       | $\perp$          | $\Box$   |         | Ļ        |                  | $\perp$   | $\bot$   |                                |              | 91       |  | Ш        | Ш               |          | _       | $\perp$      |                  | _             |            | 141        | $oxed{oxed}$                                     |          | _  | $\Box$   | Ш               | Ш  |          |   |
| 42       |                  | $\sqcup$   | $\perp$ | _        | Ш                | _   | $\perp$  | _                              | <u> </u>     | 92       |  | Щ        | $\sqcup$        | _        | $\bot$  | 4            | ++               | 4             | <u> </u>   | 142        | $\sqcup \bot$                                    | $\bot$   | <u> </u>   |          | Ш               | <u>,                                    </u> | _        |   |
| 43       |                  | $\vdash \downarrow$                              |         | $\vdash$ | $\vdash \vdash$  | $\dashv$  |          | -                              | <u> </u>     | 93       | <u> </u>   | Щ        | $\sqcup$        | _        | +       | 4            | _  -             | 4:::          | <b> </b>   | 143        | <b>├</b> ─├                                      | 4_       | ⊢  | _        | $\sqcup$        | <del>   </del>                               |          | _ |
| 44       |                  | $\vdash \vdash$                                  | +       | $\vdash$ | $\vdash \vdash$  | $\perp$   | +        | - :                            | <b> </b>     | 94       | <b> </b>   | $\vdash$ | $\vdash \vdash$ | $\dashv$ | +       | 4            | ++               | -             | <u> </u>   | 144        | $\vdash$   | +-       | $\vdash$   |          | $\vdash \vdash$ | -  | -        |   |
| 45       |                  | <del>                                     </del> |         | ╁        |                  | $\dashv$  |          | -                              | -            | 95<br>96 | <del> </del>                                     | $\vdash$ | $\vdash \vdash$ | +        | +       | +            | <del>- - -</del> |               | $\vdash$   | 145<br>146 | ++   | +-       | $\vdash$   | $\vdash$ | $\vdash\vdash$  | $\dashv$                                     |          |   |
| 46       | +                | $\vdash \vdash$                                  | +       | +        | $\vdash$         | $\dashv$  | +        | -                              |              | 97       | ┼  | $\vdash$ | $\vdash \vdash$ | +        | +       | +            |                  | -             | $\vdash$   | 147        | ++   | +        | +  | $\vdash$ | $\vdash\vdash$  | $\vdash$                                     | $\dashv$ | _ |
| 48       |                  | $\vdash \vdash$                                  | +       | +        | $\vdash \vdash$  | $\dashv$  | +-       | -                              |              | 98       | ╁  | $\vdash$ | $\vdash$        | $\dashv$ | +       | +            | ++               | - :.:         |            | 148        | ++   | +        | $\vdash$   | $\vdash$ | ┌╌┤             | $\vdash$                                     |          | _ |
| 49       | +                | $\vdash$   | +       | +-       | $\vdash$         | $\dashv$  | +        | 1                              | $\vdash$     | 99       | $t^-$  | $\vdash$ | $\vdash$        | $\dashv$ | +       | $\dagger$    |                  | - ∷           | <b>—</b>   | 149        | <del>    -</del>                                 | +-       | +  | $\vdash$ | $\vdash$        | Н  | $\dashv$ | _ |
| 50       |                  |  | +       | 1        | $\Box^{\dagger}$ |   | 士        | 1                              |              | 100      | $\Box$   |          |                 | $\top$   | T       | †            |                  | <b> </b>  ::: |            | 150        | $\Box \Box$                                      | T        |  |          |                 | $\Box$                                       |          | _ |